

Author index

Volume 97 (2000)

- Adamska, M., Léger, S., Brand, M., Hadrys, T., Braun, T., Bober, E., Inner ear and lateral line expression of a zebrafish *Nkx5-1* gene and its down-regulation in the ears of FGF8 mutant, ace, 161
- Aitola, M., see Sadek, C.M., 13
- Araie, M., see Yoshida, N., 27
- Arias-de-la-Fuente, C., see Granadino, B., 157
- Armstrong, L., Lako, M., Lincoln, J., Cairns, P.M., Hole, N., *mTert* expression correlates with telomerase activity during the differentiation of murine embryonic stem cells, 109
- Armstrong, N.J., see Prothmann, C., 85
- Arnold, H.-H., see Buchberger, A., 223
- Backman, M., see Machon, O., 3
- Bae, Y.-k., see Hashimoto, H., 191
- Baranski, M., see Terry, K., 177
- Barberi, L., see Palena, A., 211
- Bober, E., see Adamska, M., 161
- Bonneick, S., see Buchberger, A., 223
- Borgmeyer, U., see Hermans-Borgmeyer, I., 197
- Bovolenta, P., see Esteve, P., 217
- Brand, M., see Adamska, M., 161
- Brantley, D.M., Muraoka, R.S., Yull, F.E., Hicks, D.J., Cook, C.M., Kerr, L.D., Dynamic expression and activity of NF- κ B during post-natal mammary gland morphogenesis, 149
- Braun, T., see Adamska, M., 161
- Brody, T., see Stivers, C., 205
- Buchberger, A., Bonneick, S., Arnold, H.-H., Expression of the novel basic-helix-loop-helix transcription factor cMespo in presomitic mesoderm of chicken embryos, 223
- Burrus, L.W., see Terry, K., 177
- Cairns, P.M., see Armstrong, L., 109
- Carl, M., see Loosli, F., 133
- Citi, S., see Sheth, B., 93
- Cook, C.M., see Brantley, D.M., 149
- Cuellar, C., see Mayor, R., 47
- Cuenca, A.E., see Mic, F.A., 227
- Damdimopoulos, A.E., see Sadek, C.M., 13
- David, R., Wedlich, D., *Xenopus* cadherin-6 is expressed in the central and peripheral nervous system and in neurogenic placodes, 187
- Dawid, I.B., see Kawahara, A., 173
- de Groot, E., see Eib, D.W., 167
- de Nooij, J.C., Graber, K.H., Hariharan, I.K., Expression of the cyclin-dependent kinase inhibitor Dacapo is regulated by Cyclin E, 73
- del Mazo, J., see Granadino, B., 157
- Dewulf, N., see Eib, D.W., 167
- Duester, G., see Mic, F.A., 227
- Eib, D.W., Holling, T.M., Zwijsen, A., Dewulf, N., de Groot, E., van den Eijnden-van Raaij, A.J.M., Huylebroeck, D., Martens, G.J.M., Expression of the follistatin/EGF-containing transmembrane protein M7365 (tomoregulin-1) during mouse development, 167
- Ekker, M., see Long, Q., 183
- Esteve, P., Morcillo, J., Bovolenta, P., Early and dynamic expression of *CSFrp1* during chick embryo development, 217
- Fan, X., see Mic, F.A., 227
- Feeney, E.P., see Sadek, C.M., 13
- Fleming, T.P., see Sheth, B., 93
- Fontaine, J.-J., see Sheth, B., 93
- Fujisawa, H., see Ito, T., 35
- Giordano, R., see Palena, A., 211
- Gomez-Skarmeta, J.L., see Mayor, R., 47
- Goshima, Y., see Ito, T., 35
- Graber, K.H., see de Nooij, J.C., 73
- Granadino, B., Arias-de-la-Fuente, C., Pérez-Sánchez, C., Párraga, M., López-Fernández, L.A., del Mazo, J., Rey-Campos, J., *Fhx (Foxj2)* expression is activated during spermatogenesis and very early in embryonic development, 157
- Guerrero, N., see Mayor, R., 47
- Gustafsson, J.-Å., see Sadek, C.M., 13
- Hadrys, T., see Adamska, M., 161
- Handa, H., see Yoshida, N., 27
- Hariharan, I.K., see de Nooij, J.C., 73
- Hashimoto, H., Yabe, T., Hirata, T., Shimizu, T., Bae, Y.-k., Yamanaka, Y., Hirano, T., Hibi, M., Expression of the zinc finger gene *fez-like* in zebrafish forebrain, 191
- Hausen, P., see Kurth, T., 117
- Henrich, T., see Loosli, F., 133
- Hermans-Borgmeyer, I., Süsens, U., Borgmeyer, U., Developmental expression of the estrogen receptor-related receptor γ in the nervous system during mouse embryogenesis, 197
- Hibi, M., see Hashimoto, H., 191
- Hicks, D.J., see Brantley, D.M., 149
- Hirano, T., see Hashimoto, H., 191
- Hirata, T., see Hashimoto, H., 191
- Hole, N., see Armstrong, L., 109
- Holling, T.M., see Eib, D.W., 167
- Huylebroeck, D., see Eib, D.W., 167
- Ito, T., Kagoshima, M., Sasaki, Y., Li, C., Udaka, N., Kitsukawa, T., Fujisawa, H., Taniguchi, M., Yagi, T., Kitamura, H., Goshima, Y., Repulsive axon guidance molecule Sema3A inhibits branching morphogenesis of fetal mouse lung, 35

- Jalaguier, S., see Sadek, C.M., 13
 Julin, K., see Machon, O., 3
- Kagoshima, M., see Ito, T., 35
 Kawahara, A., Dawid, I.B., Expression of the Krüppel-like zinc finger gene *biklf* during zebrafish development, 173
 Kerr, L.D., see Brantley, D.M., 149
 Kitamura, H., see Ito, T., 35
 Kitsukawa, T., see Ito, T., 35
 Kolstø, A.-B., see Murphy, P., 141
 Köster, R.W., see Loosli, F., 133
 Krauss, S., see Machon, O., 3
 Krone, A., see Loosli, F., 133
 Kühnlein, R., see Loosli, F., 133
 Kurth, T., Hausen, P., Bottle cell formation in relation to mesodermal patterning in the *Xenopus* embryo, 117
 Kuzin, A., see Stivers, C., 205
- Lai, Z.-C., see Nguyen, D.N.T., 57
 Lako, M., see Armstrong, L., 109
 Lavia, P., see Palena, A., 211
 Le Douarin, N., see Monsoro-Burq, A.-H., 105
 Léger, S., see Adamska, M., 161
 Li, C., see Ito, T., 35
 Lin, S., see Long, Q., 183
 Lincoln, J., see Armstrong, L., 109
 Long, Q., Quint, E., Lin, S., Ekker, M., The zebrafish *scyba* gene encodes a novel CXC-type chemokine with distinctive expression patterns in the vestibulo-acoustic system during embryogenesis, 183
 Loosli, F., Köster, R.W., Carl, M., Kühnlein, R., Henrich, T., Mücke, M., Krone, A., Wittbrodt, J., A genetic screen for mutations affecting embryonic development in medaka fish (*Oryzias latipes*), 133
 López-Fernández, L.A., see Granadino, B., 157
 Louvard, D., see Sheth, B., 93
- Machon, O., Backman, M., Julin, K., Krauss, S., Yeast two-hybrid system identifies the ubiquitin-conjugating enzyme mUbc9 as a potential partner of mouse Dac, 3
 Magan, H., see Terry, K., 177
 Magnano, A.R., see Palena, A., 211
 Mangiacasale, R., see Palena, A., 211
 Martens, G.J.M., see Eib, D.W., 167
 Mayor, R., Guerrero, N., Young, R.M., Gomez-Skarmeta, J.L., Cuellar, C., A novel function for the *Xslug* gene: control of dorsal mesendoderm development by repressing BMP-4, 47
 McCallum, A., see Sheth, B., 93
 Mic, F.A., Molotkov, A., Fan, X., Cuenca, A.E., Duester, G., RALDH3, a retinaldehyde dehydrogenase that generates retinoic acid, is expressed in the ventral retina, otic vesicle and olfactory pit during mouse development, 227
 Molotkov, A., see Mic, F.A., 227
 Monsoro-Burq, A.-H., Le Douarin, N., Left-right asymmetry in BMP4 signalling pathway during chick gastrulation, 105
 Morcillo, J., see Esteve, P., 217
 Mücke, M., see Loosli, F., 133
 Muraoka, R.S., see Brantley, D.M., 149
 Murphy, P., Kolstø, A.-B., Expression of the bZIP transcription factor TCF11 and its potential dimerization partners during development, 141
- Nabeshima, Y.-i., see Yoshida, N., 27
 Nguyen, D.N.T., Rohrbach, M., Lai, Z.-C., The *Drosophila* homolog of *Onecut* homeodomain proteins is a neural-specific transcriptional activator with a potential role in regulating neural differentiation, 57
- Odenwald, W.F., see Stivers, C., 205
- Page, A., see Sheth, B., 93
 Palena, A., Mangiacasale, R., Magnano, A.R., Barberi, L., Giordano, R., Spadafora, C., Lavia, P., E2F transcription factors are differentially expressed in murine gametes and early embryos, 211
 Párraga, M., see Granadino, B., 157
 Peltto-Huikko, M., see Sadek, C.M., 13
 Pérez-Sánchez, C., see Granadino, B., 157
 Ponza, E., see Sheth, B., 93
 Prothmann, C., Armstrong, N.J., Rupp, R.A.W., The Toll/IL-1 receptor binding protein MyD88 is required for *Xenopus* axis formation, 85
- Quint, E., see Long, Q., 183
- Rey-Campos, J., see Granadino, B., 157
 Rivkees, S.A., see Zhao, Z., 201
 Rohrbach, M., see Nguyen, D.N.T., 57
 Rupp, R.A.W., see Prothmann, C., 85
- Sadek, C.M., Jalaguier, S., Feeney, E.P., Aitola, M., Damdimopoulos, A.E., Peltto-Huikko, M., Gustafsson, J.-Å., Isolation and characterization of AINT: a novel ARNT interacting protein expressed during murine embryonic development, 13
 Sasaki, Y., see Ito, T., 35
 Sheth, B., Fontaine, J.-J., Ponza, E., McCallum, A., Page, A., Citi, S., Louvard, D., Zahraoui, A., Fleming, T.P., Differentiation of the epithelial apical junctional complex during mouse preimplantation development: a role for rab13 in the early maturation of the tight junction, 93
 Shimizu, T., see Hashimoto, H., 191
 Spadafora, C., see Palena, A., 211
 Stivers, C., Brody, T., Kuzin, A., Odenwald, W.F., *Nerfin-1* and -2, novel *Drosophila* Zn-finger transcription factor genes expressed in the developing nervous system, 205
 Süsens, U., see Hermans-Borgmeyer, I., 197
- Taniguchi, M., see Ito, T., 35
 Terry, K., Magan, H., Baranski, M., Burrus, L.W., *Sfrp-1* and *sfrp-2* are expressed in overlapping and distinct domains during chick development, 177
- Udaka, N., see Ito, T., 35
- van den Eijnden-van Raaij, A.J.M., see Eib, D.W., 167
- Wedlich, D., see David, R., 187
 Wittbrodt, J., see Loosli, F., 133
- Yabe, T., see Hashimoto, H., 191
 Yagi, T., see Ito, T., 35
 Yamanaka, Y., see Hashimoto, H., 191
 Yoshida, N., Yoshida, S., Araie, M., Handa, H., Nabeshima, Y.-i., Ets family transcription factor ESE-1 is expressed in corneal epithelial cells and is involved in their differentiation, 27
 Yoshida, S., see Yoshida, N., 27
 Young, R.M., see Mayor, R., 47
 Yull, F.E., see Brantley, D.M., 149
- Zahraoui, A., see Sheth, B., 93
 Zhao, Z., Rivkees, S.A., Tissue-specific expression of GTPas *Rala* and *Ralb* during embryogenesis and regulation by epithelial-mesenchymal interaction, 201
 Zwijsen, A., see Eib, D.W., 167

Subject index

Volume 97 (2000)

Activin; *Xenopus laevis*; Gastrulation; Bottle cell; Pattern formation; Transforming growth factor β ; Nodal; Fibroblast growth factor; Cerberus **97 117**

Ah receptor nuclear translocator; Basic helix-loop-helix-PAS; bHLH-PAS; ARNT; ARNT2; Hypoxia; HIF-1 α ; HLF; NPAS; TACC; Coiled-coil; Yeast two-hybrid **97 13**

Aldehyde dehydrogenase; ALDH6; Retinaldehyde dehydrogenase; RALDH3; Embryogenesis; Optic vesicle; Retina; Eye; Otic vesicle; Olfactory pit; Retinoid metabolism; Retinoic acid; Retinoid dehydrogenase; RALDH1; RALDH2 **97 227**

ALDH6; Aldehyde dehydrogenase; Retinaldehyde dehydrogenase; RALDH3; Embryogenesis; Optic vesicle; Retina; Eye; Otic vesicle; Olfactory pit; Retinoid metabolism; Retinoic acid; Retinoid dehydrogenase; RALDH1; RALDH2 **97 227**

Animal; MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal/ventral; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

Anterior neural plate; Area vasculosa; Branchial arches; Dorsal mesocardium; Epiphysis; Floor plate; Hensen's node; Infundibulum; Lens placode; Limb bud; Mesoderm; Neural crest cells; Neural tube; Primitive streak; Optic vesicle; Otic vesicle; Prechordal plate; Primitive streak; Otic placode; Rathke's pouch; Retina; Rhombencephalon; Trigeminal ganglia; Telencephalic vesicle **97 217**

antivin; Zebrafish; Forebrain; *fez-like*; Zinc-finger; *dkk1*; *wnt8*; *one-eyed pinhead* **97 191**

Apical junctional complex; Epithelial differentiation; Blastocyst; Trophectoderm; Mouse embryo; Tight junction; Zonula adherens; ZO-1; rab13; Occludin; Cingulin; E-Cadherin; Catenin **97 93**

Apoptosis; NF- κ B; p105; p50; RelA; I κ B α ; Mammary; Epithelium; Proliferation; Differentiation; Involution; Transgenic **97 149**

Area vasculosa; Anterior neural plate; Branchial arches; Dorsal mesocardium; Epiphysis; Floor plate; Hensen's node; Infundibulum; Lens placode; Limb bud; Mesoderm; Neural crest cells; Neural tube; Primitive streak; Optic vesicle; Otic vesicle; Prechordal plate; Primitive streak; Otic placode; Rathke's pouch; Retina; Rhombencephalon; Trigeminal ganglia; Telencephalic vesicle **97 217**

ARNT; Basic helix-loop-helix-PAS; bHLH-PAS; Ah receptor nuclear

translocator; ARNT2; Hypoxia; HIF-1 α ; HLF; NPAS; TACC; Coiled-coil; Yeast two-hybrid **97 13**

ARNT2; Basic helix-loop-helix-PAS; bHLH-PAS; Ah receptor nuclear translocator; ARNT; Hypoxia; HIF-1 α ; HLF; NPAS; TACC; Coiled-coil; Yeast two-hybrid **97 13**

ATF4; TCF11; Nrf1; LCR-F1; MafG; MafK; MafF; Embryonic development; Fetal liver hematopoiesis; Region leucine zipper; Heterodimerization **97 141**

Autonomous ganglia; Brain; Cerebellum; Ectoderm; Epidermal growth factor; ErbB receptor; Follistatin; Hippocampus; Hypothalamus; In situ hybridization; Locus coeruleus; Mesoderm; Neuroendocrine; Pituitary; Retina; Spinal cord; Tomoregulin; Transmembrane protein; Tyrosine kinase; Mouse; *Xenopus* **97 167**

Axis formation; MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal/ventral; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

Basic helix-loop-helix-PAS; bHLH-PAS; Ah receptor nuclear translocator; ARNT; ARNT2; Hypoxia; HIF-1 α ; HLF; NPAS; TACC; Coiled-coil; Yeast two-hybrid **97 13**

bHLH transcription factor; Chicken Mespo; Gastrulation; Presomitic mesoderm **97 223**

bHLH-PAS; Basic helix-loop-helix-PAS; Ah receptor nuclear translocator; ARNT; ARNT2; Hypoxia; HIF-1 α ; HLF; NPAS; TACC; Coiled-coil; Yeast two-hybrid **97 13**

biklf; Krüppel-like factor; Blood islands; BMP signaling **97 173**

Blastocyst; Epithelial differentiation; Trophectoderm; Mouse embryo; Tight junction; Zonula adherens; Apical junctional complex; ZO-1; rab13; Occludin; Cingulin; E-Cadherin; Catenin **97 93**

Blood islands; *biklf*; Krüppel-like factor; BMP signaling **97 173**

BMP signaling; *biklf*; Krüppel-like factor; Blood islands **97 173**

Bmp2; Bmp4; Bmp7; BMPR IA; BMPR IB; Smad1; Left-right asymmetry; Hensen's node; Chick embryo **97 105**

BMP-4 pathway; *Xslug*; *Xsnail*; Organizer; Neural crest **97 47**

- Bmp4**; Bmp2; Bmp7; BMPR IA; BMPR IB; Smad1; Left-right asymmetry; Hensen's node; Chick embryo **97 105**
- Bmp7**; Bmp2; Bmp4; BMPR IA; BMPR IB; Smad1; Left-right asymmetry; Hensen's node; Chick embryo **97 105**
- BMPR IA**; Bmp2; Bmp4; Bmp7; BMPR IB; Smad1; Left-right asymmetry; Hensen's node; Chick embryo **97 105**
- BMPR IB**; Bmp2; Bmp4; Bmp7; BMPR IA; Smad1; Left-right asymmetry; Hensen's node; Chick embryo **97 105**
- Bottle cell**; *Xenopus laevis*; Gastrulation; Pattern formation; Transforming growth factor β ; Activin; Nodal; Fibroblast growth factor; Cerberus **97 117**
- Brain**; Autonomous ganglia; Cerebellum; Ectoderm; Epidermal growth factor; ErbB receptor; Follistatin; Hippocampus; Hypothalamus; In situ hybridization; Locus coeruleus; Mesoderm; Neuroendocrine; Pituitary; Retina; Spinal cord; Tomoregulin; Transmembrane protein; Tyrosine kinase; Mouse; *Xenopus* **97 167**
- Branchial arches**; Anterior neural plate; Area vasculosa; Dorsal mesocardium; Epiphysis; Floor plate; Hensen's node; Infundibulum; Lens placode; Limb bud; Mesoderm; Neural crest cells; Neural tube; Primitive streak; Optic vesicle; Otic vesicle; Prechordal plate; Primitive streak; Otic placode; Rathke's pouch; Retina; Rhombencephalon; Trigeminal ganglia; Telencephalic vesicle **97 217**
- Branching morphogenesis**; Lung; Sema3A; Neuropilin-1; CRMP-2 **97 35**
- Cactus**; MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**
- Catenin**; Epithelial differentiation; Blastocyst; Trophectoderm; Mouse embryo; Tight junction; Zonula adherens; Apical junctional complex; ZO-1; rab13; Occludin; Cingulin; E-Cadherin **97 93**
- Cell cycle**; *Drosophila*; Cyclin-dependent kinase inhibitor; Dacapo; Cyclin E; Embryo; Imaginal disc; Oogenesis **97 73**
- Cell cycle**; Mouse dachshund; mUbc9; Proteasome; Mouse embryo **97 3**
- Cell division**; E2F1; E2F3; E2F5; E2F6; Transcription; Mouse embryo; Pre-implantation embryo; Indirect immunofluorescence; Subcellular localization; Gametes; Spermatogenesis; Fertilization; Replication **97 211**
- Cerberus**; MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**
- Cerberus**; *Xenopus laevis*; Gastrulation; Bottle cell; Pattern formation; Transforming growth factor β ; Activin; Nodal; Fibroblast growth factor **97 117**
- Cerebellum**; Autonomous ganglia; Brain; Ectoderm; Epidermal growth factor; ErbB receptor; Follistatin; Hippocampus; Hypothalamus; In situ hybridization; Locus coeruleus; Mesoderm; Neuroendocrine; Pituitary; Retina; Spinal cord; Tomoregulin; Transmembrane protein; Tyrosine kinase; Mouse; *Xenopus* **97 167**
- CFU-A**; c-myc; Hematopoiesis; TRAP assay; Green fluorescent protein; Dimethylsulfoxide; Retinoic acid; Neutrophil; Macrophage; TEP1; Hematopoietic stem cell; Hematopoietic commitment **97 109**
- Chemokine**; Otic placode; Zebrafish; Hindbrain; Lateral line; Sensory epithelium **97 183**
- Chick embryo**; Bmp2; Bmp4; Bmp7; BMPR IA; BMPR IB; Smad1; Left-right asymmetry; Hensen's node **97 105**
- Chick**; Chondrogenesis; Development; Dorsal root ganglia; Endoderm; Frizzled; Frzb; Heart; Limb; Neural crest; Neural ectoderm; Neural tube; Placode; Pharynx; Rhombomere; Secreted frizzled related protein (Sfrp); Somite; Wnt **97 177**
- Chicken Mesp**; bHLH transcription factor; Gastrulation; Presomitic mesoderm **97 223**
- Chondrogenesis**; Chick; Development; Dorsal root ganglia; Endoderm; Frizzled; Frzb; Heart; Limb; Neural crest; Neural ectoderm; Neural tube; Placode; Pharynx; Rhombomere; Secreted frizzled related protein (Sfrp); Somite; Wnt **97 177**
- Cingulin**; Epithelial differentiation; Blastocyst; Trophectoderm; Mouse embryo; Tight junction; Zonula adherens; Apical junctional complex; ZO-1; rab13; Occludin; E-Cadherin; Catenin **97 93**
- Classical type II cadherin**; Neurogenesis; Neural crest; Placode; CNS; PNS **97 187**
- c-myc**; Hematopoiesis; TRAP assay; Green fluorescent protein; CFU-A; Dimethylsulfoxide; Retinoic acid; Neutrophil; Macrophage; TEP1; Hematopoietic stem cell; Hematopoietic commitment **97 109**
- CNS and PNS development**; Neuronal precursor gene; Pan-neural expression; Neural stem cell; Neuroblast; Ganglion mother cell; Transcription factor; EIN Zn-finger domain subfamily **97 205**
- CNS**; Classical type II cadherin; Neurogenesis; Neural crest; Placode; PNS **97 187**
- Coiled-coil**; Basic helix-loop-helix-PAS; bHLH-PAS; Ah receptor nuclear translocator; ARNT; ARNT2; Hypoxia; HIF-1 α ; HLF; NPAS; TACC; Yeast two-hybrid **97 13**
- Cornea**; Epithelium; ESE-1; Differentiation; Transcription factor; K12 keratin; K3 keratin; HCE cell **97 27**
- CRMP-2**; Branching morphogenesis; Lung; Sema3A; Neuropilin-1 **97 35**
- Cut domain**; DNA-binding; *Drosophila*; Homeodomain; Onecut; Nervous system; Transcriptional regulation **97 57**
- Cyclin E**; *Drosophila*; Cell cycle; Cyclin-dependent kinase inhibitor; Dacapo; Embryo; Imaginal disc; Oogenesis **97 73**
- Cyclin-dependent kinase inhibitor**; *Drosophila*; Cell cycle; Dacapo; Cyclin E; Embryo; Imaginal disc; Oogenesis **97 73**
- Dacapo**; *Drosophila*; Cell cycle; Cyclin-dependent kinase inhibitor; Cyclin E; Embryo; Imaginal disc; Oogenesis **97 73**
- Development**; Chick; Chondrogenesis; Dorsal root ganglia; Endoderm; Frizzled; Frzb; Heart; Limb; Neural crest; Neural ectoderm; Neural tube; Placode; Pharynx; Rhombomere; Secreted frizzled related protein (Sfrp); Somite; Wnt **97 177**

Differentiation; Cornea; Epithelium; ESE-1; Transcription factor; K12 keratin; K3 keratin; HCE cell **97 27**

Differentiation; NF- κ B; p105; p50; RelA; I κ B α ; Mammary; Epithelium; Proliferation; Involution; Apoptosis; Transgenic **97 149**

Dimethylsulfoxide; c-myc; Hematopoiesis; TRAP assay; Green fluorescent protein; CFU-A; Retinoic acid; Neutrophil; Macrophage; TEP1; Hematopoietic stem cell; Hematopoietic commitment **97 109**

dkk1; Zebrafish; Forebrain; *fez-like*; Zinc-finger; *wnt8*; *one-eyed pinhead*; *antivin* **97 191**

DNA-binding; Cut domain; *Drosophila*; Homeodomain; Onecut; Nervous system; Transcriptional regulation **97 57**

Dominant-negative; MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsolateral; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

Dorsal mesocardium; Anterior neural plate; Area vasculosa; Branchial arches; Epiphysis; Floor plate; Hensen's node; Infundibulum; Lens placode; Limb bud; Mesoderm; Neural crest cells; Neural tube; Primitive streak; Optic vesicle; Otic vesicle; Prechordal plate; Primitive streak; Otic placode; Rathke's pouch; Retina; Rhombencephalon; Trigeminal ganglia; Telencephalic vesicle **97 217**

Dorsal root ganglia; Chick; Chondrogenesis; Development; Endoderm; Frizzled; Frzb; Heart; Limb; Neural crest; Neural ectoderm; Neural tube; Placode; Pharynx; Rhombomere; Secreted frizzled related protein (Sfrp); Somite; Wnt **97 177**

Dorsal; MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsolateral; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

Dorsolateral; MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

Drosophila; Cell cycle; Cyclin-dependent kinase inhibitor; Dacapo; Cyclin E; Embryo; Imaginal disc; Oogenesis **97 73**

Drosophila; Cut domain; DNA-binding; Homeodomain; Onecut; Nervous system; Transcriptional regulation **97 57**

Drosophila; MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsolateral; Pattern formation; I κ B; Head formation; Notochord; Somites; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

E2F1; E2F3; E2F5; E2F6; Transcription; Mouse embryo; Pre-implantation embryo; Indirect immunofluorescence; Subcellular localization; Gametes; Spermatogenesis; Fertilization; Cell division; Replication **97 211**

E2F3; E2F1; E2F5; E2F6; Transcription; Mouse embryo; Pre-implantation

embryo; Indirect immunofluorescence; Subcellular localization; Gametes; Spermatogenesis; Fertilization; Cell division; Replication **97 211**

E2F5; E2F1; E2F3; E2F6; Transcription; Mouse embryo; Pre-implantation embryo; Indirect immunofluorescence; Subcellular localization; Gametes; Spermatogenesis; Fertilization; Cell division; Replication **97 211**

E2F6; E2F1; E2F3; E2F5; Transcription; Mouse embryo; Pre-implantation embryo; Indirect immunofluorescence; Subcellular localization; Gametes; Spermatogenesis; Fertilization; Cell division; Replication **97 211**

E-Cadherin; Epithelial differentiation; Blastocyst; Trophectoderm; Mouse embryo; Tight junction; Zonula adherens; Apical junctional complex; ZO-1; rab13; Occludin; Cingulin; Catenin **97 93**

Ectoderm; Autonomous ganglia; Brain; Cerebellum; Epidermal growth factor; ErbB receptor; Follistatin; Hippocampus; Hypothalamus; In situ hybridization; Locus coeruleus; Mesoderm; Neuroendocrine; Pituitary; Retina; Spinal cord; Tomoregulin; Transmembrane protein; Tyrosine kinase; Mouse; *Xenopus* **97 167**

EIN Zn-finger domain subfamily; Neuronal precursor gene; Pan-neural expression; Neural stem cell; Neuroblast; Ganglion mother cell; CNS and PNS development; Transcription factor **97 205**

Embryo; *Drosophila*; Cell cycle; Cyclin-dependent kinase inhibitor; Dacapo; Cyclin E; Imaginal disc; Oogenesis **97 73**

Embryogenesis; Aldehyde dehydrogenase; ALDH6; Retinaldehyde dehydrogenase; RALDH3; Optic vesicle; Retina; Eye; Otic vesicle; Olfactory pit; Retinoid metabolism; Retinoic acid; Retinoid dehydrogenase; RALDH1; RALDH2 **97 227**

Embryogenesis; RalA; RalB; GTPase; Gene expression; Epithelial-mesenchymal interaction **97 201**

Embryonic development; Medaka fish; *Oryzias latipes*; Genetic screen; Eye development **97 133**

Embryonic development; TCF11; Nrf1; LCR-F1; MafG; MafK; MafF; ATF4; Fetal liver hematopoiesis; Region leucine zipper; Heterodimerization **97 141**

Endoderm; Chick; Chondrogenesis; Development; Dorsal root ganglia; Frizzled; Frzb; Heart; Limb; Neural crest; Neural ectoderm; Neural tube; Placode; Pharynx; Rhombomere; Secreted frizzled related protein (Sfrp); Somite; Wnt **97 177**

Epidermal growth factor; Autonomous ganglia; Brain; Cerebellum; Ectoderm; ErbB receptor; Follistatin; Hippocampus; Hypothalamus; In situ hybridization; Locus coeruleus; Mesoderm; Neuroendocrine; Pituitary; Retina; Spinal cord; Tomoregulin; Transmembrane protein; Tyrosine kinase; Mouse; *Xenopus* **97 167**

Epiphysis; Anterior neural plate; Area vasculosa; Branchial arches; Dorsal mesocardium; Floor plate; Hensen's node; Infundibulum; Lens placode; Limb bud; Mesoderm; Neural crest cells; Neural tube; Primitive streak; Optic vesicle; Otic vesicle; Prechordal plate; Primitive streak; Otic placode; Rathke's pouch; Retina; Rhombencephalon; Trigeminal ganglia; Telencephalic vesicle **97 217**

Epithelial differentiation; Blastocyst; Trophectoderm; Mouse embryo; Tight junction; Zonula adherens; Apical junctional complex; ZO-1; rab13; Occludin; Cingulin; E-Cadherin; Catenin **97 93**

Epithelial-mesenchymal interaction; RalA; RalB; GTPase; Gene expression; Embryogenesis **97 201**

Epithelium; Cornea; ESE-1; Differentiation; Transcription factor; K12 keratin; K3 keratin; HCE cell **97 27**

Epithelium; NF- κ B; p105; p50; RelA; I κ B α ; Mammary; Proliferation; Differentiation; Involution; Apoptosis; Transgenic **97 149**

ErbB receptor; Autonomous ganglia; Brain; Cerebellum; Ectoderm; Epidermal growth factor; Follistatin; Hippocampus; Hypothalamus; In situ hybridization; Locus coeruleus; Mesoderm; Neuroendocrine; Pituitary; Retina; Spinal cord; Tomoregulin; Transmembrane protein; Tyrosine kinase; Mouse; *Xenopus* **97 167**

ESE-1; Cornea; Epithelium; Differentiation; Transcription factor; K12 keratin; K3 keratin; HCE cell **97 27**

Estrogen receptor-related receptor; Orphan nuclear receptor; Expression pattern; Mouse embryogenesis; In situ hybridization; Nervous system **97 197**

Evolution; MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

Expression pattern; Orphan nuclear receptor; Estrogen receptor-related receptor; Mouse embryogenesis; In situ hybridization; Nervous system **97 197**

Eye development; Medaka fish; *Oryzias latipes*; Genetic screen; Embryonic development **97 133**

Eye; Aldehyde dehydrogenase; ALDH6; Retinaldehyde dehydrogenase; RALDH3; Embryogenesis; Optic vesicle; Retina; Otic vesicle; Olfactory pit; Retinoid metabolism; Retinoic acid; Retinoid dehydrogenase; RALDH1; RALDH2 **97 227**

Fertilization; E2F1; E2F3; E2F5; E2F6; Transcription; Mouse embryo; Pre-implantation embryo; Indirect immunofluorescence; Subcellular localization; Gametes; Spermatogenesis; Cell division; Replication **97 211**

Fetal liver hematopoiesis; TCF11; Nr1; LCR-F1; MafG; MafK; MafF; ATF4; Embryonic development; Region leucine zipper; Heterodimerization **97 141**

fez-like; Zebrafish; Forebrain; Zinc-finger; *dkk1*; *wnt8*; *one-eyed pinhead*; *antivin* **97 191**

FGF8; Homeobox; *Nkx* genes; Inner ear; Lateral line; Zebrafish **97 161**

FHX; *Foxj2*; Fork head; Spermatogenesis; Pre-implantation development **97 157**

Fibroblast growth factor; *Xenopus laevis*; Gastrulation; Bottle cell; Pattern formation; Transforming growth factor β ; Activin; Nodal; Cerberus **97 117**

Floor plate; Anterior neural plate; Area vasculosa; Branchial arches; Dorsal mesocardium; Epiphysis; Hensen's node; Infundibulum; Lens placode; Limb bud; Mesoderm; Neural crest cells; Neural tube; Primitive streak; Optic vesicle; Otic vesicle; Prechordal plate; Primitive streak; Otic placode; Rathke's pouch; Retina; Rhombencephalon; Trigeminal ganglia; Telencephalic vesicle **97 217**

Follistatin; Autonomous ganglia; Brain; Cerebellum; Ectoderm; Epidermal growth factor; ErbB receptor; Hippocampus; Hypothalamus; In situ

hybridization; Locus coeruleus; Mesoderm; Neuroendocrine; Pituitary; Retina; Spinal cord; Tomoregulin; Transmembrane protein; Tyrosine kinase; Mouse; *Xenopus* **97 167**

Forebrain; Zebrafish; *fez-like*; Zinc-finger; *dkk1*; *wnt8*; *one-eyed pinhead*; *antivin* **97 191**

Fork head; *Foxj2*; *FHX*; Spermatogenesis; Pre-implantation development **97 157**

Foxj2; *FHX*; Fork head; Spermatogenesis; Pre-implantation development **97 157**

Frizzled; Chick; Chondrogenesis; Development; Dorsal root ganglia; Endoderm; Frzb; Heart; Limb; Neural crest; Neural ectoderm; Neural tube; Placode; Pharynx; Rhombomere; Secreted frizzled related protein (Sfrp); Somite; Wnt **97 177**

Frzb; Chick; Chondrogenesis; Development; Dorsal root ganglia; Endoderm; Frizzled; Heart; Limb; Neural crest; Neural ectoderm; Neural tube; Placode; Pharynx; Rhombomere; Secreted frizzled related protein (Sfrp); Somite; Wnt **97 177**

Gametes; E2F1; E2F3; E2F5; E2F6; Transcription; Mouse embryo; Pre-implantation embryo; Indirect immunofluorescence; Subcellular localization; Spermatogenesis; Fertilization; Cell division; Replication **97 211**

Ganglion mother cell; Neuronal precursor gene; Pan-neural expression; Neural stem cell; Neuroblast; CNS and PNS development; Transcription factor; E1N Zn-finger domain subfamily **97 205**

Gastrulation; Chicken Mespo; bHLH transcription factor; Presomitic mesoderm **97 223**

Gastrulation; *Xenopus laevis*; Bottle cell; Pattern formation; Transforming growth factor β ; Activin; Nodal; Fibroblast growth factor; Cerberus **97 117**

Gene expression; RalA; RalB; GTPase; Embryogenesis; Epithelial-mesenchymal interaction **97 201**

Genetic screen; Medaka fish; *Oryzias latipes*; Embryonic development; Eye development **97 133**

Goosecoid; MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

Green fluorescent protein; *c-myc*; Hematopoiesis; TRAP assay; CFU-A; Dimethylsulfoxide; Retinoic acid; Neutrophil; Macrophage; TEPI; Hematopoietic stem cell; Hematopoietic commitment **97 109**

GTPase; RalA; RalB; Gene expression; Embryogenesis; Epithelial-mesenchymal interaction **97 201**

HCE cell; Cornea; Epithelium; ESE-1; Differentiation; Transcription factor; K12 keratin; K3 keratin **97 27**

Head formation; MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

Heart; Chick; Chondrogenesis; Development; Dorsal root ganglia; Endoderm; Frizzled; Frzb; Limb; Neural crest; Neural ectoderm; Neural tube; Placode; Pharynx; Rhombomere; Secreted frizzled related protein (Sfrp); Somite; Wnt **97 177**

Hematopoiesis; *c-myc*; TRAP assay; Green fluorescent protein; CFU-A; Dimethylsulfoxide; Retinoic acid; Neutrophil; Macrophage; TEPI; Hematopoietic stem cell; Hematopoietic commitment **97 109**

Hematopoietic commitment; *c-myc*; Hematopoiesis; TRAP assay; Green fluorescent protein; CFU-A; Dimethylsulfoxide; Retinoic acid; Neutrophil; Macrophage; TEPI; Hematopoietic stem cell **97 109**

Hematopoietic stem cell; *c-myc*; Hematopoiesis; TRAP assay; Green fluorescent protein; CFU-A; Dimethylsulfoxide; Retinoic acid; Neutrophil; Macrophage; TEPI; Hematopoietic commitment **97 109**

Hensen's node; Anterior neural plate; Area vasculosa; Branchial arches; Dorsal mesocardium; Epiphysis; Floor plate; Infundibulum; Lens placode; Limb bud; Mesoderm; Neural crest cells; Neural tube; Primitive streak; Optic vesicle; Otic vesicle; Prechordal plate; Primitive streak; Otic placode; Rathke's pouch; Retina; Rhombencephalon; Trigeminal ganglia; Telencephalic vesicle **97 217**

Hensen's node; Bmp2; Bmp4; Bmp7; BMPR IA; BMPR IB; Smad1; Left-right asymmetry; Chick embryo **97 105**

Heterodimerization; TCF11; Nrf1; LCR-F1; MafG; MafK; MafF; ATF4; Embryonic development; Fetal liver hematopoiesis; Region leucine zipper **97 141**

HIF-1 α ; Basic helix-loop-helix-PAS; bHLH-PAS; Ah receptor nuclear translocator; ARNT; ARNT2; Hypoxia; HLF; NPAS; TACC; Coiled-coil; Yeast two-hybrid **97 13**

Hindbrain; Otic placode; Zebrafish; Lateral line; Chemokine; Sensory epithelium **97 183**

Hippocampus; Autonomous ganglia; Brain; Cerebellum; Ectoderm; Epidermal growth factor; ErbB receptor; Follistatin; Hypothalamus; In situ hybridization; Locus coeruleus; Mesoderm; Neuroendocrine; Pituitary; Retina; Spinal cord; Tomoregulin; Transmembrane protein; Tyrosine kinase; Mouse; *Xenopus* **97 167**

HLF; Basic helix-loop-helix-PAS; bHLH-PAS; Ah receptor nuclear translocator; ARNT; ARNT2; Hypoxia; HIF-1 α ; NPAS; TACC; Coiled-coil; Yeast two-hybrid **97 13**

Homeobox; *Nkx* genes; FGF8; Inner ear; Lateral line; Zebrafish **97 161**

Homeodomain; Cut domain; DNA-binding; *Drosophila*; Onecut; Nervous system; Transcriptional regulation **97 57**

Hypothalamus; Autonomous ganglia; Brain; Cerebellum; Ectoderm; Epidermal growth factor; ErbB receptor; Follistatin; Hippocampus; In situ hybridization; Locus coeruleus; Mesoderm; Neuroendocrine; Pituitary; Retina; Spinal cord; Tomoregulin; Transmembrane protein; Tyrosine kinase; Mouse; *Xenopus* **97 167**

Hypoxia; Basic helix-loop-helix-PAS; bHLH-PAS; Ah receptor nuclear translocator; ARNT; ARNT2; HIF-1 α ; HLF; NPAS; TACC; Coiled-coil; Yeast two-hybrid **97 13**

I κ B α ; NF- κ B; p105; p50; RelA; Mammary; Epithelium; Proliferation; Differentiation; Involution; Apoptosis; Transgenic **97 149**

I κ B; MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B;

Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

IKK; MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK **97 85**

IL-1 receptor; MyD88; Toll receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

Imaginal disc; *Drosophila*; Cell cycle; Cyclin-dependent kinase inhibitor; Dacapo; Cyclin E; Embryo; Oogenesis **97 73**

In situ hybridization; Autonomous ganglia; Brain; Cerebellum; Ectoderm; Epidermal growth factor; ErbB receptor; Follistatin; Hippocampus; Hypothalamus; Locus coeruleus; Mesoderm; Neuroendocrine; Pituitary; Retina; Spinal cord; Tomoregulin; Transmembrane protein; Tyrosine kinase; Mouse; *Xenopus* **97 167**

In situ hybridization; Orphan nuclear receptor; Estrogen receptor-related receptor; Expression pattern; Mouse embryogenesis; Nervous system **97 197**

Indirect immunofluorescence; E2F1; E2F3; E2F5; E2F6; Transcription; Mouse embryo; Pre-implantation embryo; Subcellular localization; Gametes; Spermatogenesis; Fertilization; Cell division; Replication **97 211**

Infundibulum; Anterior neural plate; Area vasculosa; Branchial arches; Dorsal mesocardium; Epiphysis; Floor plate; Hensen's node; Lens placode; Limb bud; Mesoderm; Neural crest cells; Neural tube; Primitive streak; Optic vesicle; Otic vesicle; Prechordal plate; Primitive streak; Otic placode; Rathke's pouch; Retina; Rhombencephalon; Trigeminal ganglia; Telencephalic vesicle **97 217**

Inner ear; Homeobox; *Nkx* genes; FGF8; Lateral line; Zebrafish **97 161**

Involution; NF- κ B; p105; p50; RelA; I κ B α ; Mammary; Epithelium; Proliferation; Differentiation; Apoptosis; Transgenic **97 149**

IRAK; MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; TRAF6; TAK1; NIK; IKK **97 85**

K12 keratin; Cornea; Epithelium; ESE-1; Differentiation; Transcription factor; K3 keratin; HCE cell **97 27**

K3 keratin; Cornea; Epithelium; ESE-1; Differentiation; Transcription factor; K12 keratin; HCE cell **97 27**

Krüppel-like factor; *bik1f*; Blood islands; BMP signaling **97 173**

Lateral line; Homeobox; *Nkx* genes; FGF8; Inner ear; Zebrafish **97 161**

Lateral line: Otic placode; Zebrafish; Hindbrain; Chemokine; Sensory epithelium **97 183**

LCR-F1: TCF11; Nrf1; MafG; MafK; MafF; ATF4; Embryonic development; Fetal liver hematopoiesis; Region leucine zipper; Heterodimerization **97 141**

Left-right asymmetry: Bmp2; Bmp4; Bmp7; BMPR 1A; BMPR 1B; Smad1; Hensen's node; Chick embryo **97 105**

Lens placode: Anterior neural plate; Area vasculosa; Branchial arches; Dorsal mesocardium; Epiphysis; Floor plate; Hensen's node; Infundibulum; Limb bud; Mesoderm; Neural crest cells; Neural tube; Primitive streak; Optic vesicle; Otic vesicle; Prechordal plate; Primitive streak; Otic placode; Rathke's pouch; Retina; Rhombencephalon; Trigeminal ganglia; Telencephalic vesicle **97 217**

Limb bud: Anterior neural plate; Area vasculosa; Branchial arches; Dorsal mesocardium; Epiphysis; Floor plate; Hensen's node; Infundibulum; Lens placode; Mesoderm; Neural crest cells; Neural tube; Primitive streak; Optic vesicle; Otic vesicle; Prechordal plate; Primitive streak; Otic placode; Rathke's pouch; Retina; Rhombencephalon; Trigeminal ganglia; Telencephalic vesicle **97 217**

Krümmung streak: Otic placode; Rathke's pouch; Retina; Rhombencephalon; Trigeminal ganglia; Telencephalic vesicle **97 217**

Limb: Chick; Chondrogenesis; Development; Dorsal root ganglia; Endoderm; Frizzled; Frzb; Heart; Neural crest; Neural ectoderm; Neural tube; Placode; Pharynx; Rhombomere; Secreted frizzled related protein (Sfrp); Somite; Wnt **97 177**

Locus coeruleus: Autonomous ganglia; Brain; Cerebellum; Ectoderm; Epidermal growth factor; ErbB receptor; Follistatin; Hippocampus; Hypothalamus; In situ hybridization; Mesoderm; Neuroendocrine; Pituitary; Retina; Spinal cord; Tomoregulin; Transmembrane protein; Tyrosine kinase; Mouse; *Xenopus* **97 167**

Loss of function: MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

Lung: Branching morphogenesis; Sema3A; Neuropilin-1; CRMP-2 **97 35**

Macrophage: c-myc; Hematopoiesis; TRAP assay; Green fluorescent protein; CFU-A; Dimethylsulfoxide; Retinoic acid; Neutrophil; TEPI; Hematopoietic stem cell; Hematopoietic commitment **97 109**

MafF: TCF11; Nrf1; LCR-F1; MafG; MafK; ATF4; Embryonic development; Fetal liver hematopoiesis; Region leucine zipper; Heterodimerization **97 141**

MafG: TCF11; Nrf1; LCR-F1; MafK; MafF; ATF4; Embryonic development; Fetal liver hematopoiesis; Region leucine zipper; Heterodimerization **97 141**

MafK: TCF11; Nrf1; LCR-F1; MafG; MafF; ATF4; Embryonic development; Fetal liver hematopoiesis; Region leucine zipper; Heterodimerization **97 141**

Mammary: NF- κ B; p105; p50; RelA; I κ B α ; Epithelium; Proliferation; Differentiation; Involution; Apoptosis; Transgenic **97 149**

Medaka fish: *Oryzias latipes*; Genetic screen; Embryonic development; Eye development **97 133**

Mesoderm: Anterior neural plate; Area vasculosa; Branchial arches; Dorsal mesocardium; Epiphysis; Floor plate; Hensen's node; Infundibulum; Lens placode; Limb bud; Neural crest cells; Neural tube; Primitive streak; Optic vesicle; Otic vesicle; Prechordal plate; Primitive streak; Otic placode; Rathke's pouch; Retina; Rhombencephalon; Trigeminal ganglia; Telencephalic vesicle **97 217**

Mesoderm: Autonomous ganglia; Brain; Cerebellum; Ectoderm; Epidermal growth factor; ErbB receptor; Follistatin; Hippocampus; Hypothalamus; In situ hybridization; Locus coeruleus; Neuroendocrine; Pituitary; Retina; Spinal cord; Tomoregulin; Transmembrane protein; Tyrosine kinase; Mouse; *Xenopus* **97 167**

Mesoderm: MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

Mouse dachshund: mUbc9; Proteasome; Cell cycle; Mouse embryo **97 3**

Mouse embryo: E2F1; E2F3; E2F5; E2F6; Transcription; Pre-implantation embryo; Indirect immunofluorescence; Subcellular localization; Gametes; Spermatogenesis; Fertilization; Cell division; Replication **97 211**

Mouse embryo: Epithelial differentiation; Blastocyst; Trophectoderm; Tight junction; Zonula adherens; Apical junctional complex; ZO-1; rab13; Occludin; Cingulin; E-Cadherin; Catenin **97 93**

Mouse embryo: Mouse dachshund; mUbc9; Proteasome; Cell cycle **97 3**

Mouse embryogenesis: Orphan nuclear receptor; Estrogen receptor-related receptor; Expression pattern; In situ hybridization; Nervous system **97 197**

Mouse: Autonomous ganglia; Brain; Cerebellum; Ectoderm; Epidermal growth factor; ErbB receptor; Follistatin; Hippocampus; Hypothalamus; In situ hybridization; Locus coeruleus; Mesoderm; Neuroendocrine; Pituitary; Retina; Spinal cord; Tomoregulin; Transmembrane protein; Tyrosine kinase; *Xenopus* **97 167**

mUbc9: Mouse dachshund; Proteasome; Cell cycle; Mouse embryo **97 3**

MyD88: Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

Nervous system: Cut domain; DNA-binding; *Drosophila*; Homeodomain; Onecut; Transcriptional regulation **97 57**

Nervous system: Orphan nuclear receptor; Estrogen receptor-related receptor; Expression pattern; Mouse embryogenesis; In situ hybridization **97 197**

Neural crest cells: Anterior neural plate; Area vasculosa; Branchial arches; Dorsal mesocardium; Epiphysis; Floor plate; Hensen's node; Infundibulum; Lens placode; Limb bud; Mesoderm; Neural tube; Primitive streak; Optic vesicle; Otic vesicle; Prechordal plate; Primitive streak; Otic placode; Rathke's pouch; Retina; Rhombencephalon; Trigeminal ganglia; Telencephalic vesicle **97 217**

Neural crest: Chick; Chondrogenesis; Development; Dorsal root ganglia; Endoderm; Frizzled; Frzb; Heart; Limb; Neural ectoderm; Neural tube; Placode; Pharynx; Rhombomere; Secreted frizzled related protein (Sfrp); Somite; Wnt **97 177**

Neural crest: Classical type II cadherin; Neurogenesis; Placode; CNS; PNS **97 187**

Neural crest: *Xslug*; *Xsnail*; Organizer; BMP-4 pathway **97 47**

Neural ectoderm: Chick; Chondrogenesis; Development; Dorsal root ganglia; Endoderm; Frizzled; Frzb; Heart; Limb; Neural crest; Neural tube; Placode; Pharynx; Rhombomere; Secreted frizzled related protein (Sfrp); Somite; Wnt **97 177**

Neural induction: MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

Neural stem cell: Neuronal precursor gene; Pan-neural expression; Neuroblast; Ganglion mother cell; CNS and PNS development; Transcription factor; E1N Zn-finger domain subfamily **97 205**

Neural tube: Anterior neural plate; Area vasculosa; Branchial arches; Dorsal mesocardium; Epiphysis; Floor plate; Hensen's node; Infundibulum; Lens placode; Limb bud; Mesoderm; Neural crest cells; Primitive streak; Optic vesicle; Otic vesicle; Prechordal plate; Primitive streak; Otic placode; Rathke's pouch; Retina; Rhombencephalon; Trigeminal ganglia; Telencephalic vesicle **97 217**

Neural tube: Chick; Chondrogenesis; Development; Dorsal root ganglia; Endoderm; Frizzled; Frzb; Heart; Limb; Neural crest; Neural ectoderm; Placode; Pharynx; Rhombomere; Secreted frizzled related protein (Sfrp); Somite; Wnt **97 177**

Neuroblast: Neuronal precursor gene; Pan-neural expression; Neural stem cell; Ganglion mother cell; CNS and PNS development; Transcription factor; E1N Zn-finger domain subfamily **97 205**

Neuroendocrine: Autonomous ganglia; Brain; Cerebellum; Ectoderm; Epidermal growth factor; ErbB receptor; Folliculin; Hippocampus; Hypothalamus; In situ hybridization; Locus coeruleus; Mesoderm; Pituitary; Retina; Spinal cord; Tomoregulin; Transmembrane protein; Tyrosine kinase; Mouse; *Xenopus* **97 167**

Neurogenesis: Classical type II cadherin; Neural crest; Placode; CNS; PNS **97 187**

Neuronal precursor gene: Pan-neural expression; Neural stem cell; Neuroblast; Ganglion mother cell; CNS and PNS development; Transcription factor; E1N Zn-finger domain subfamily **97 205**

Neuropilin-1: Branching morphogenesis; Lung; Sema3A; CRMP-2 **97 35**

Neutrophil: *c-myc*; Hematopoiesis; TRAP assay; Green fluorescent protein; CFU-A; Dimethylsulfoxide; Retinoic acid; Macrophage; TEPI; Hematopoietic stem cell; Hematopoietic commitment **97 109**

NF- κ B: MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

NF- κ B: p105; p50; RelA; I κ B α ; Mammary; Epithelium; Proliferation; Differentiation; Involution; Apoptosis; Transgenic **97 149**

NIK: MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; IKK **97 85**

Nkx genes: Homeobox; FGF8; Inner ear; Lateral line; Zebrafish **97 161**

Nodal: *Xenopus laevis*; Gastrulation; Bottle cell; Pattern formation; Transforming growth factor β ; Activin; Fibroblast growth factor; Cerberus **97 117**

Nodal-related 3: MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

Noggin: MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

Notochord: MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

NPAS: Basic helix-loop-helix-PAS; bHLH-PAS; Ah receptor nuclear translocator; ARNT; ARNT2; Hypoxia; HIF-1 α ; HLF; TACC; Coiled-coil; Yeast two-hybrid **97 13**

Nrf1: TCF11; LCR-F1; MafG; MafK; MafF; ATF4; Embryonic development; Fetal liver hematopoiesis; Region leucine zipper; Heterodimerization **97 141**

Occludin: Epithelial differentiation; Blastocyst; Trophectoderm; Mouse embryo; Tight junction; Zonula adherens; Apical junctional complex; ZO-1; rab13; Cingulin; E-Cadherin; Catenin **97 93**

Olfactory pit: Aldehyde dehydrogenase; ALDH6; Retinaldehyde dehydrogenase; RALDH3; Embryogenesis; Optic vesicle; Retina; Eye; Otic vesicle; Retinoid metabolism; Retinoic acid; Retinoid dehydrogenase; RALDH1; RALDH2 **97 227**

Onecut: Cut domain; DNA-binding; *Drosophila*; Homeodomain; Nervous system; Transcriptional regulation **97 57**

one-eyed pinhead: Zebrafish; Forebrain; *fez-like*; Zinc-finger; *dkk1*; *wnt8*; *antivin* **97 191**

Oogenesis: *Drosophila*; Cell cycle; Cyclin-dependent kinase inhibitor; Dacapo; Cyclin E; Embryo; Imaginal disc **97 73**

Optic vesicle: Aldehyde dehydrogenase; ALDH6; Retinaldehyde dehydrogenase; RALDH3; Embryogenesis; Retina; Eye; Otic vesicle; Olfactory pit; Retinoid metabolism; Retinoic acid; Retinoid dehydrogenase; RALDH1; RALDH2 **97 227**

Optic vesicle: Anterior neural plate; Area vasculosa; Branchial arches; Dorsal mesocardium; Epiphysis; Floor plate; Hensen's node; Infundibulum; Lens placode; Limb bud; Mesoderm; Neural crest cells; Neural tube; Primitive streak; Otic vesicle; Prechordal plate; Primitive streak; Otic placode; Rathke's pouch; Retina; Rhombencephalon; Trigeminal ganglia; Telencephalic vesicle **97 217**

Organizer: *Xslug*; *Xsnail*; Neural crest; BMP-4 pathway **97 47**

Orphan nuclear receptor: Estrogen receptor-related receptor; Expression pattern; Mouse embryogenesis; In situ hybridization; Nervous system **97 197**

Oryzias latipes: Medaka fish; Genetic screen; Embryonic development; Eye development **97 133**

Otic placode: Anterior neural plate; Area vasculosa; Branchial arches; Dorsal mesocardium; Epiphysis; Floor plate; Hensen's node; Infundibulum; Lens placode; Limb bud; Mesoderm; Neural crest cells; Neural tube; Primitive streak; Optic vesicle; Otic vesicle; Prechordal plate; Primitive streak; Rathke's pouch; Retina; Rhombencephalon; Trigeminal ganglia; Telencephalic vesicle **97 217**

Otic placode: Zebrafish; Hindbrain; Lateral line; Chemokine; Sensory epithelium **97 183**

Otic vesicle: Aldehyde dehydrogenase; ALDH6; Retinaldehyde dehydrogenase; RALDH3; Embryogenesis; Optic vesicle; Retina; Eye; Olfactory pit; Retinoid metabolism; Retinoic acid; Retinoid dehydrogenase; RALDH1; RALDH2 **97 227**

Otic vesicle: Anterior neural plate; Area vasculosa; Branchial arches; Dorsal mesocardium; Epiphysis; Floor plate; Hensen's node; Infundibulum; Lens placode; Limb bud; Mesoderm; Neural crest cells; Neural tube; Primitive streak; Optic vesicle; Prechordal plate; Primitive streak; Otic placode; Rathke's pouch; Retina; Rhombencephalon; Trigeminal ganglia; Telencephalic vesicle **97 217**

p105: NF- κ B; p50; RelA; I κ B α ; Mammary; Epithelium; Proliferation; Differentiation; Involution; Apoptosis; Transgenic **97 149**

p50: NF- κ B; p105; RelA; I κ B α ; Mammary; Epithelium; Proliferation; Differentiation; Involution; Apoptosis; Transgenic **97 149**

Pan-neural expression: Neuronal precursor gene; Neural stem cell; Neuroblast; Ganglion mother cell; CNS and PNS development; Transcription factor; E1N Zn-finger domain subfamily **97 205**

Pattern formation: MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsoventral; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

Pattern formation: *Xenopus laevis*; Gastrulation; Bottle cell; Transforming growth factor β ; Activin; Nodal; Fibroblast growth factor; Cerberus **97 117**

Pharynx: Chick; Chondrogenesis; Development; Dorsal root ganglia; Endoderm; Frizzled; Frzb; Heart; Limb; Neural crest; Neural ectoderm; Neural tube; Placode; Rhombomere; Secreted frizzled related protein (Sfrp); Somite; Wnt **97 177**

Pituitary: Autonomous ganglia; Brain; Cerebellum; Ectoderm; Epidermal growth factor; ErbB receptor; Follistatin; Hippocampus; Hypothalamus; In situ hybridization; Locus coeruleus; Mesoderm; Neuroendocrine; Retina;

Spinal cord; Tomoregulin; Transmembrane protein; Tyrosine kinase; Mouse; *Xenopus* **97 167**

Placode: Chick; Chondrogenesis; Development; Dorsal root ganglia; Endoderm; Frizzled; Frzb; Heart; Limb; Neural crest; Neural ectoderm; Neural tube; Pharynx; Rhombomere; Secreted frizzled related protein (Sfrp); Somite; Wnt **97 177**

Placode: Classical type II cadherin; Neurogenesis; Neural crest; CNS; PNS **97 187**

PNS: Classical type II cadherin; Neurogenesis; Neural crest; Placode; CNS **97 187**

Prechordal plate: Anterior neural plate; Area vasculosa; Branchial arches; Dorsal mesocardium; Epiphysis; Floor plate; Hensen's node; Infundibulum; Lens placode; Limb bud; Mesoderm; Neural crest cells; Neural tube; Primitive streak; Optic vesicle; Otic vesicle; Primitive streak; Otic placode; Rathke's pouch; Retina; Rhombencephalon; Trigeminal ganglia; Telencephalic vesicle **97 217**

Pre-implantation development: *Foxj2*; *FHX*; Fork head; Spermatogenesis **97 157**

Pre-implantation embryo: E2F1; E2F3; E2F5; E2F6; Transcription; Mouse embryo; Indirect immunofluorescence; Subcellular localization; Gametes; Spermatogenesis; Fertilization; Cell division; Replication **97 211**

Presomitic mesoderm: Chicken Mespo; bHLH transcription factor; Gastrulation **97 223**

Primitive streak: Anterior neural plate; Area vasculosa; Branchial arches; Dorsal mesocardium; Epiphysis; Floor plate; Hensen's node; Infundibulum; Lens placode; Limb bud; Mesoderm; Neural crest cells; Neural tube; Optic vesicle; Otic vesicle; Prechordal plate; Primitive streak; Otic placode; Rathke's pouch; Retina; Rhombencephalon; Trigeminal ganglia; Telencephalic vesicle **97 217**

Proliferation: NF- κ B; p105; p50; RelA; I κ B α ; Mammary; Epithelium; Differentiation; Involution; Apoptosis; Transgenic **97 149**

Proteasome: Mouse dachshund; mUbc9; Cell cycle; Mouse embryo **97 3**

rab13: Epithelial differentiation; Blastocyst; Trophectoderm; Mouse embryo; Tight junction; Zonula adherens; Apical junctional complex; ZO-1; Occludin; Cingulin; E-Cadherin; Catenin **97 93**

RalA: RalB; GTPase; Gene expression; Embryogenesis; Epithelial-mesenchymal interaction **97 201**

RalB: RalA; GTPase; Gene expression; Embryogenesis; Epithelial-mesenchymal interaction **97 201**

RALDH1: Aldehyde dehydrogenase; ALDH6; Retinaldehyde dehydrogenase; RALDH3; Embryogenesis; Optic vesicle; Retina; Eye; Otic vesicle; Olfactory pit; Retinoid metabolism; Retinoic acid; Retinoid dehydrogenase; RALDH2 **97 227**

RALDH2: Aldehyde dehydrogenase; ALDH6; Retinaldehyde dehydrogenase; RALDH3; Embryogenesis; Optic vesicle; Retina; Eye; Otic vesicle; Olfactory pit; Retinoid metabolism; Retinoic acid; Retinoid dehydrogenase; RALDH1 **97 227**

RALDH3: Aldehyde dehydrogenase; ALDH6; Retinaldehyde dehydrogenase; Embryogenesis; Optic vesicle; Retina; Eye; Otic vesicle; Olfactory pit; Retinoid metabolism; Retinoic acid; Retinoid dehydrogenase; RALDH1; RALDH2 **97 227**

Rathke's pouch: Anterior neural plate; Area vasculosa; Branchial arches; Dorsal mesocardium; Epiphysis; Floor plate; Hensen's node; Infundibulum; Lens placode; Limb bud; Mesoderm; Neural crest cells; Neural tube; Primitive streak; Optic vesicle; Otic vesicle; Prechordal plate; Primitive streak; Otic placode; Retina; Rhombencephalon; Trigeminal ganglia; Telencephalic vesicle **97 217**

Region leucine zipper: TCF11; Nrf1; LCR-F1; MafG; MafK; MafF; ATF4; Embryonic development; Fetal liver hematopoiesis; Heterodimerization **97 141**

Rel: MyD88; Toll receptor; IL-1 receptor; Signaling pathway; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

RelA: NF- κ B; p105; p50; I κ B α ; Mammary; Epithelium; Proliferation; Differentiation; Involution; Apoptosis; Transgenic **97 149**

Replication: E2F1; E2F3; E2F5; E2F6; Transcription; Mouse embryo; Pre-implantation embryo; Indirect immunofluorescence; Subcellular localization; Gametes; Spermatogenesis; Fertilization; Cell division **97 211**

Retina: Aldehyde dehydrogenase; ALDH6; Retinaldehyde dehydrogenase; RALDH3; Embryogenesis; Optic vesicle; Eye; Otic vesicle; Olfactory pit; Retinoid metabolism; Retinoic acid; Retinoid dehydrogenase; RALDH1; RALDH2 **97 227**

Retina: Anterior neural plate; Area vasculosa; Branchial arches; Dorsal mesocardium; Epiphysis; Floor plate; Hensen's node; Infundibulum; Lens placode; Limb bud; Mesoderm; Neural crest cells; Neural tube; Primitive streak; Optic vesicle; Otic vesicle; Prechordal plate; Primitive streak; Otic placode; Rathke's pouch; Rhombencephalon; Trigeminal ganglia; Telencephalic vesicle **97 217**

Retina: Autonomous ganglia; Brain; Cerebellum; Ectoderm; Epidermal growth factor; ErbB receptor; Follistatin; Hippocampus; Hypothalamus; In situ hybridization; Locus coeruleus; Mesoderm; Neuroendocrine; Pituitary; Spinal cord; Tomoregulin; Transmembrane protein; Tyrosine kinase; Mouse; *Xenopus* **97 167**

Retinaldehyde dehydrogenase: Aldehyde dehydrogenase; ALDH6; RALDH3; Embryogenesis; Optic vesicle; Retina; Eye; Otic vesicle; Olfactory pit; Retinoid metabolism; Retinoic acid; Retinoid dehydrogenase; RALDH1; RALDH2 **97 227**

Retinoic acid: Aldehyde dehydrogenase; ALDH6; Retinaldehyde dehydrogenase; RALDH3; Embryogenesis; Optic vesicle; Retina; Eye; Otic vesicle; Olfactory pit; Retinoid metabolism; Retinoid dehydrogenase; RALDH1; RALDH2 **97 227**

Retinoic acid: c-myc; Hematopoiesis; TRAP assay; Green fluorescent protein; CFU-A; Dimethylsulfoxide; Neutrophil; Macrophage; TEPI; Hematopoietic stem cell; Hematopoietic commitment **97 109**

Retinoid dehydrogenase: Aldehyde dehydrogenase; ALDH6; Retinaldehyde dehydrogenase; RALDH3; Embryogenesis; Optic vesicle; Retina; Eye; Otic vesicle; Olfactory pit; Retinoid metabolism; Retinoic acid; RALDH1; RALDH2 **97 227**

Retinoid metabolism: Aldehyde dehydrogenase; ALDH6; Retinaldehyde dehydrogenase; RALDH3; Embryogenesis; Optic vesicle; Retina; Eye; Otic vesicle; Olfactory pit; Retinoic acid; Retinoid dehydrogenase; RALDH1; RALDH2 **97 227**

Rhombencephalon: Anterior neural plate; Area vasculosa; Branchial arches; Dorsal mesocardium; Epiphysis; Floor plate; Hensen's node; Infundibulum; Lens placode; Limb bud; Mesoderm; Neural crest cells; Neural tube; Primitive streak; Optic vesicle; Otic vesicle; Prechordal plate; Primitive streak; Otic placode; Rathke's pouch; Retina; Trigeminal ganglia; Telencephalic vesicle **97 217**

Rhombomere: Chick; Chondrogenesis; Development; Dorsal root ganglia; Endoderm; Frizzled; Frzb; Heart; Limb; Neural crest; Neural ectoderm; Neural tube; Placode; Pharynx; Secreted frizzled related protein (Sfrp); Somite; Wnt **97 177**

Secreted frizzled related protein (Sfrp): Chick; Chondrogenesis; Development; Dorsal root ganglia; Endoderm; Frizzled; Frzb; Heart; Limb; Neural crest; Neural ectoderm; Neural tube; Placode; Pharynx; Rhombomere; Somite; Wnt **97 177**

Sema3A: Branching morphogenesis; Lung; Neuropilin-1; CRMP-2 **97 35**

Sensory epithelium: Otic placode; Zebrafish; Hindbrain; Lateral line; Chemokine **97 183**

Signaling pathway: MyD88; Toll receptor; IL-1 receptor; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

Smad1: Bmp2; Bmp4; Bmp7; BMPR IA; BMPR IB; Left-right asymmetry; Hensen's node; Chick embryo **97 105**

Somite: Chick; Chondrogenesis; Development; Dorsal root ganglia; Endoderm; Frizzled; Frzb; Heart; Limb; Neural crest; Neural ectoderm; Neural tube; Placode; Pharynx; Rhombomere; Secreted frizzled related protein (Sfrp); Wnt **97 177**

Somites: MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

Spätzle: MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

Spemann organizer: MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97 85**

Spermatogenesis: E2F1; E2F3; E2F5; E2F6; Transcription; Mouse embryo; Pre-implantation embryo; Indirect immunofluorescence; Subcellular localization; Gametes; Fertilization; Cell division; Replication **97 211**

Spermatogenesis: Foxj2; FHX; Fork head; Pre-implantation development **97 157**

Spinal cord: Autonomous ganglia; Brain; Cerebellum; Ectoderm; Epider-

mal growth factor; ErbB receptor; Follistatin; Hippocampus; Hypothalamus; In situ hybridization; Locus coeruleus; Mesoderm; Neuroendocrine; Pituitary; Retina; Tomoregulin; Transmembrane protein; Tyrosine kinase; Mouse; *Xenopus* 97 167

Subcellular localization: E2F1; E2F3; E2F5; E2F6; Transcription; Mouse embryo; Pre-implantation embryo; Indirect immunofluorescence; Gametes; Spermatogenesis; Fertilization; Cell division; Replication 97 211

TACC: Basic helix-loop-helix-PAS; bHLH-PAS; Ah receptor nuclear translocator; ARNT; ARNT2; Hypoxia; HIF-1 α ; HLF; NPAS; Coiled-coil; Yeast two-hybrid 97 13

TAK1: MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; NIK; IKK 97 85

TCF11: Nrf1; LCR-F1; MafG; MafK; MafF; ATF4; Embryonic development; Fetal liver hematopoiesis; Region leucine zipper; Heterodimerization 97 141

Telencephalic vesicle: Anterior neural plate; Area vasculosa; Branchial arches; Dorsal mesocardium; Epiphysis; Floor plate; Hensen's node; Infundibulum; Lens placode; Limb bud; Mesoderm; Neural crest cells; Neural tube; Primitive streak; Optic vesicle; Otic vesicle; Prechordal plate; Primitive streak; Otic placode; Rathke's pouch; Retina; Rhombencephalon; Trigeminal ganglia 97 217

TEP1: c-myc; Hematopoiesis; TRAP assay; Green fluorescent protein; CFU-A; Dimethylsulfoxide; Retinoic acid; Neutrophil; Macrophage; Hematopoietic stem cell; Hematopoietic commitment 97 109

Tight junction: Epithelial differentiation; Blastocyst; Trophectoderm; Mouse embryo; Zonula adherens; Apical junctional complex; ZO-1; rab13; Occludin; Cingulin; E-Cadherin; Catenin 97 93

Toll receptor: MyD88; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK 97 85

Toll: MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK 97 85

Tomoregulin: Autonomous ganglia; Brain; Cerebellum; Ectoderm; Epidermal growth factor; ErbB receptor; Follistatin; Hippocampus; Hypothalamus; In situ hybridization; Locus coeruleus; Mesoderm; Neuroendocrine; Pituitary; Retina; Spinal cord; Transmembrane protein; Tyrosine kinase; Mouse; *Xenopus* 97 167

TRAF6: MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TAK1; NIK; IKK 97 85

Transcription factor: Cornea; Epithelium; ESE-1; Differentiation; K12 keratin; K3 keratin; HCE cell 97 27

Transcription factor: Neuronal precursor gene; Pan-neural expression; Neural stem cell; Neuroblast; Ganglion mother cell; CNS and PNS development; EIN Zn-finger domain subfamily 97 205

Transcription: E2F1; E2F3; E2F5; E2F6; Mouse embryo; Pre-implantation embryo; Indirect immunofluorescence; Subcellular localization; Gametes; Spermatogenesis; Fertilization; Cell division; Replication 97 211

Transcriptional regulation: Cut domain; DNA-binding; *Drosophila*; Homeodomain; Onecut; Nervous system 97 57

Transforming growth factor β : *Xenopus laevis*; Gastrulation; Bottle cell; Pattern formation; Activin; Nodal; Fibroblast growth factor; Cerberus 97 117

Transgenic: NF- κ B; p105; p50; RelA; I κ B α ; Mammary; Epithelium; Proliferation; Differentiation; Involution; Apoptosis 97 149

Transmembrane protein: Autonomous ganglia; Brain; Cerebellum; Ectoderm; Epidermal growth factor; ErbB receptor; Follistatin; Hippocampus; Hypothalamus; In situ hybridization; Locus coeruleus; Mesoderm; Neuroendocrine; Pituitary; Retina; Spinal cord; Tomoregulin; Tyrosine kinase; Mouse; *Xenopus* 97 167

TRAP assay: c-myc; Hematopoiesis; Green fluorescent protein; CFU-A; Dimethylsulfoxide; Retinoic acid; Neutrophil; Macrophage; TEP1; Hematopoietic stem cell; Hematopoietic commitment 97 109

Trigeminal ganglia: Anterior neural plate; Area vasculosa; Branchial arches; Dorsal mesocardium; Epiphysis; Floor plate; Hensen's node; Infundibulum; Lens placode; Limb bud; Mesoderm; Neural crest cells; Neural tube; Primitive streak; Optic vesicle; Otic vesicle; Prechordal plate; Primitive streak; Otic placode; Rathke's pouch; Retina; Rhombencephalon; Telencephalic vesicle 97 217

Trophectoderm: Epithelial differentiation; Blastocyst; Mouse embryo; Tight junction; Zonula adherens; Apical junctional complex; ZO-1; rab13; Occludin; Cingulin; E-Cadherin; Catenin 97 93

Tyrosine kinase: Autonomous ganglia; Brain; Cerebellum; Ectoderm; Epidermal growth factor; ErbB receptor; Follistatin; Hippocampus; Hypothalamus; In situ hybridization; Locus coeruleus; Mesoderm; Neuroendocrine; Pituitary; Retina; Spinal cord; Tomoregulin; Transmembrane protein; Mouse; *Xenopus* 97 167

Vertebrate: MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; *Xenopus*; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsal; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK 97 85

Wnt: Chick; Chondrogenesis; Development; Dorsal root ganglia; Endoderm; Frizzled; Frzb; Heart; Limb; Neural crest; Neural ectoderm; Neural tube; Placode; Pharynx; Rhombomere; Secreted frizzled related protein (Sfrp); Somite 97 177

wnt8: Zebrafish; Forebrain; *fez-like*; Zinc-finger; *dkk1*; *one-eyed pinhead*; *antivin* 97 191

***Xenopus laevis*:** Gastrulation; Bottle cell; Pattern formation; Transforming growth factor β ; Activin; Nodal; Fibroblast growth factor; Cerberus 97 117

***Xenopus*:** Autonomous ganglia; Brain; Cerebellum; Ectoderm; Epidermal

growth factor; ErbB receptor; Follistatin; Hippocampus; Hypothalamus; In situ hybridization; Locus coeruleus; Mesoderm; Neuroendocrine; Pituitary; Retina; Spinal cord; Tomoregulin; Transmembrane protein; Tyrosine kinase; Mouse **97** 167

Xenopus; MyD88; Toll receptor; IL-1 receptor; Signaling pathway; Rel; NF- κ B; Axis formation; Vertebrate; Animal; Mesoderm; Neural induction; Spemann organizer; Evolution; Dorsoventral; Pattern formation; I κ B; Head formation; Notochord; Somites; *Drosophila*; Spätzle; Toll; Dorsal; Cactus; Cerberus; Nodal-related 3; Goosecoid; Noggin; Dominant-negative; Loss of function; IRAK; TRAF6; TAK1; NIK; IKK **97** 85

Xslug; *Xsnail*; Organizer; Neural crest; BMP-4 pathway **97** 47

Xsnail; *Xslug*; Organizer; Neural crest; BMP-4 pathway **97** 47

Yeast two-hybrid; Basic helix-loop-helix-PAS; bHLH-PAS; Ah receptor nuclear translocator; ARNT; ARNT2; Hypoxia; HIF-1 α ; HLF; NPAS; TACC; Coiled-coil **97** 13

Zebrafish; Forebrain; *fez-like*; Zinc-finger; *dkk1*; *wnt8*; *one-eyed pinhead*; *antivin* **97** 191

Zebrafish; Homeobox; *Nkx* genes; FGF8; Inner ear; Lateral line **97** 161

Zebrafish; Otic placode; Hindbrain; Lateral line; Chemokine; Sensory epithelium **97** 183

Zinc-finger; Zebrafish; Forebrain; *fez-like*; *dkk1*; *wnt8*; *one-eyed pinhead*; *antivin* **97** 191

ZO-1; Epithelial differentiation; Blastocyst; Trophectoderm; Mouse embryo; Tight junction; Zonula adherens; Apical junctional complex; rab13; Occludin; Cingulin; E-Cadherin; Catenin **97** 93

Zonula adherens; Epithelial differentiation; Blastocyst; Trophectoderm; Mouse embryo; Tight junction; Apical junctional complex; ZO-1; rab13; Occludin; Cingulin; E-Cadherin; Catenin **97** 93